

Issue Paper 3: Methods and Issues in Estimating Base Daily per Capita Water Use and Compliance Daily per Capita Water Use

Overview

Base daily per capita use is calculated for the agency's baseline period. Compliance daily per capita use is calculated for the two compliance years, 2015 and 2020. Both Compliance and Base Daily per capita use are calculated using gross water use and service area population. Gross water use and service area population are the subject of Issue Papers 1 and 2. The period of time over which the base is calculated will vary depending on the target method used and other factors.

Key paragraphs pertaining to baseline daily per capita water use

Base daily per capita water use is defined as follows:

10608.12.(b) "Base daily per capita water use" means any of the following:

(1) The urban retail water supplier's estimate of its average gross water use, reported in gallons per capita per day and calculated over a continuous 10-year period ending no earlier than December 31, 2004, and no later than December 31, 2010.

(2) For an urban retail water supplier that meets at least 10 percent of its 2008 measured retail water demand through recycled water that is delivered within the service area of an urban retail water supplier or its urban wholesale water supplier, the urban retail water supplier may extend the calculation described in paragraph (1) up to an additional five years to a maximum of a continuous 15-year period ending no earlier than December 31, 2004, and no later than December 31, 2010.

(3) For the purposes of Section 10608.22, the urban retail water supplier's estimate of its average gross water use, reported in gallons per capita per day and calculated over a continuous five-year period ending no earlier than December 31, 2007, and no later than December 31, 2010.

DWR staff understanding of the legislation

The supplier should calculate the base daily per capita water use separately for each year in the chosen baseline period, and then take the simple average of these single-year calculations.

Issue to be considered

In order to qualify for the longer base period (sub-paragraph 2), the urban supplier must meet "at least 10 percent of its 2008 measured retail water demand through recycled water that is delivered within the service area of an urban retail water supplier or its urban wholesale water supplier". Clarification is needed about whether the intent is that the supplier must generate and deliver enough recycled water to any urban supplier (including itself) or

wholesale supplier to equal or exceed 10 percent of its 2008 retail water demand. Or, whether, the urban supplier must actually deliver that amount of recycled water within its service area to qualify for the longer base period.